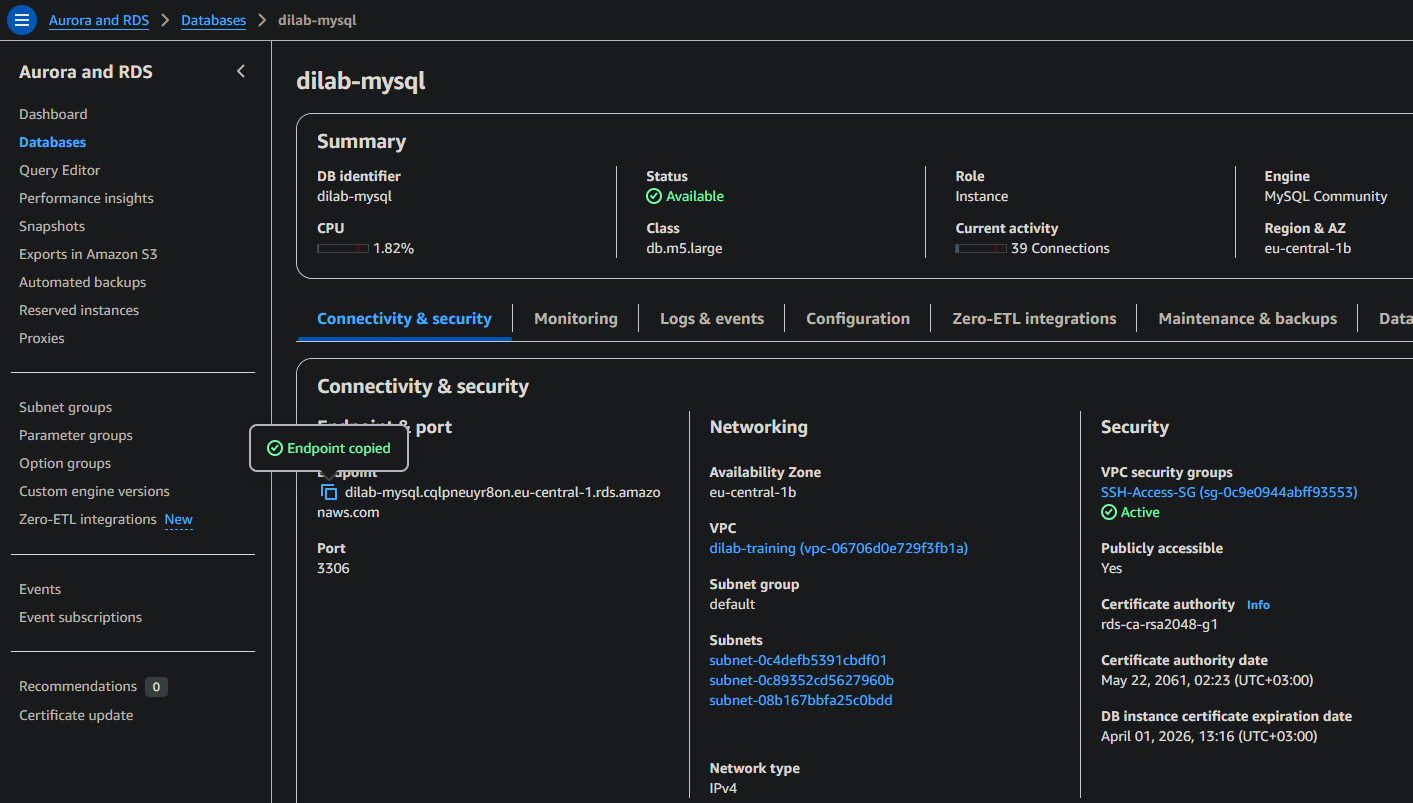
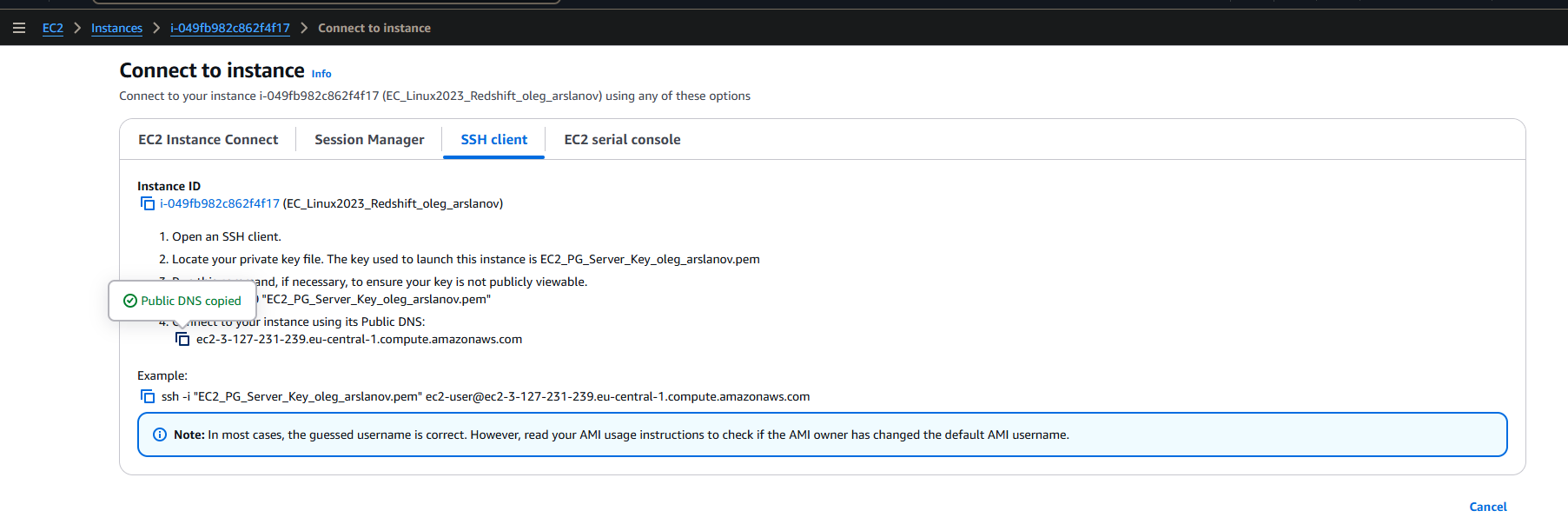
**AWS, MySQL and DynamoDB**

Task1

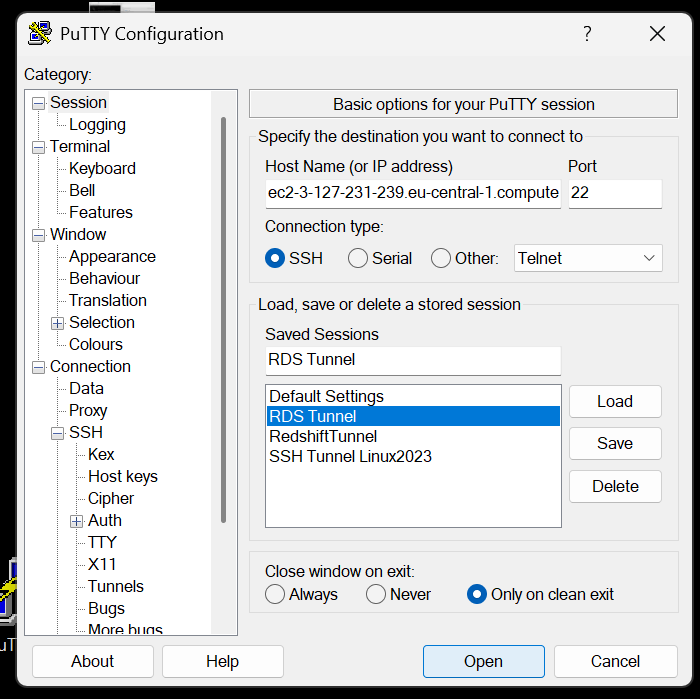
Firstly I found mentors created RDS database ‘dilab-mysql’ and copy endpoint and port

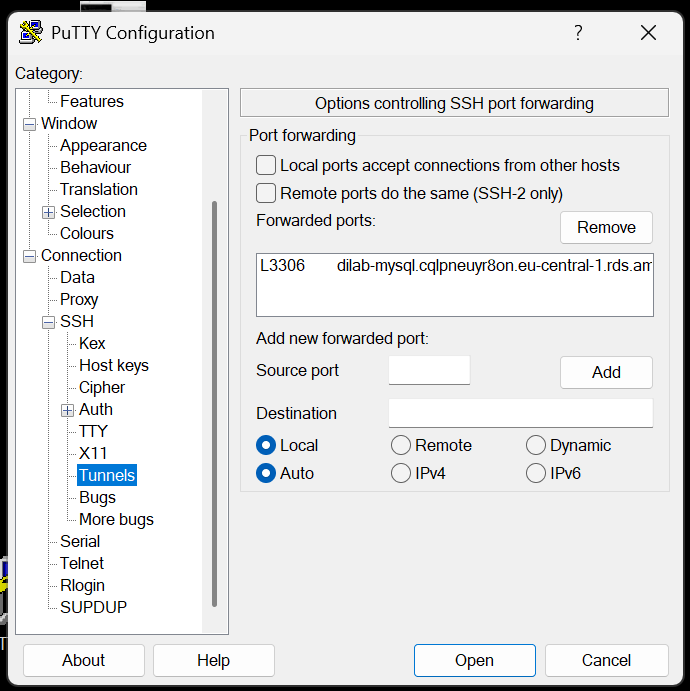


Found my EC2 Public DNS

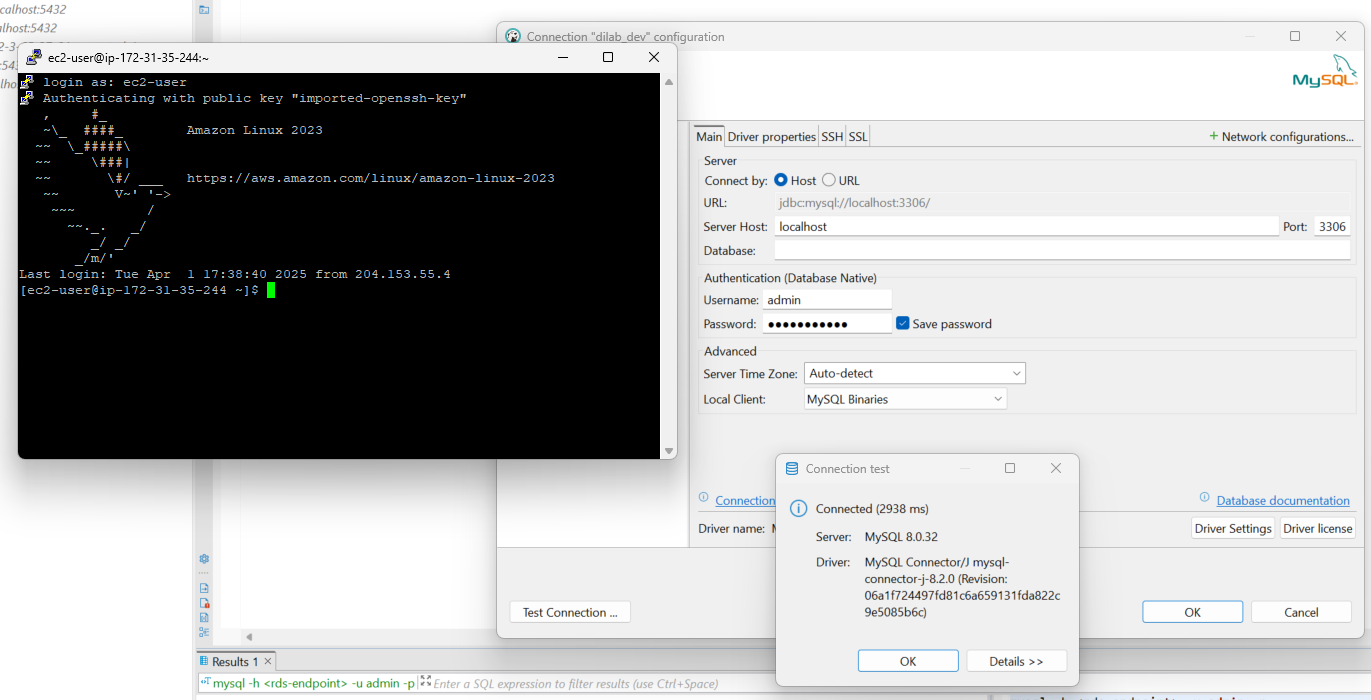
Then created connection to RDS via EC2 Linux2023. 

Connect to VPN. I made PUTTY conection from EC2 to RDS

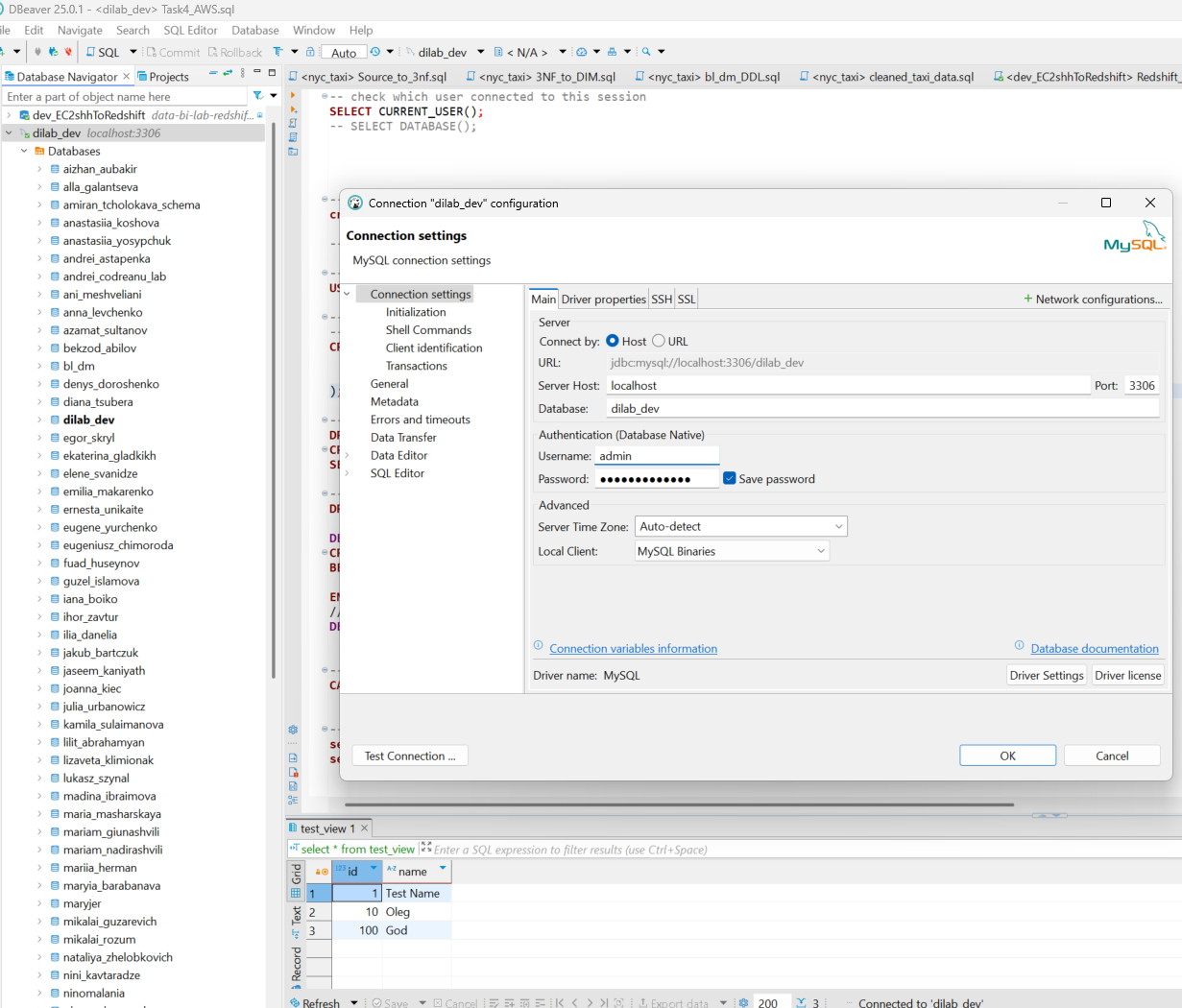




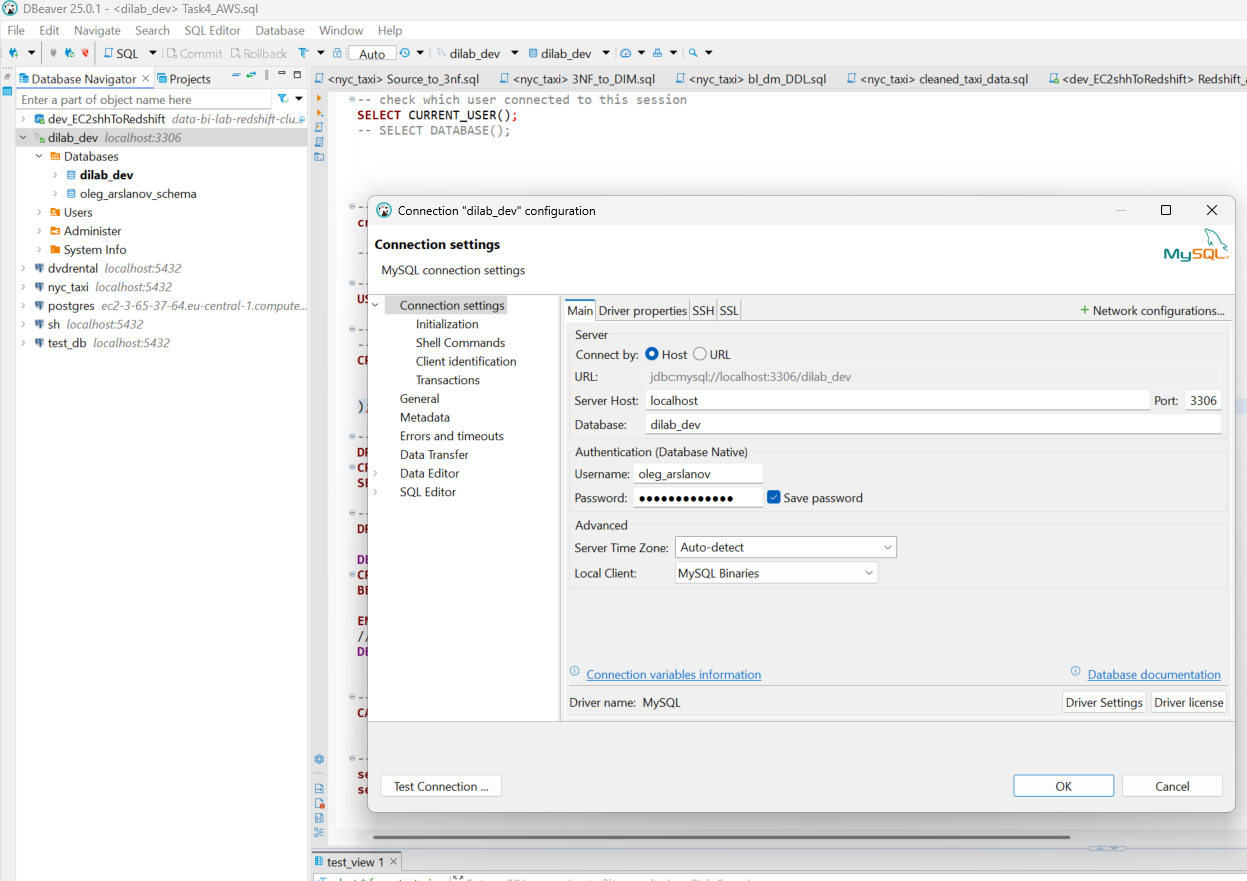
When I added connection I open DBeaver and made connection to RDS via PUTTY



Connect to RDS DB like admin

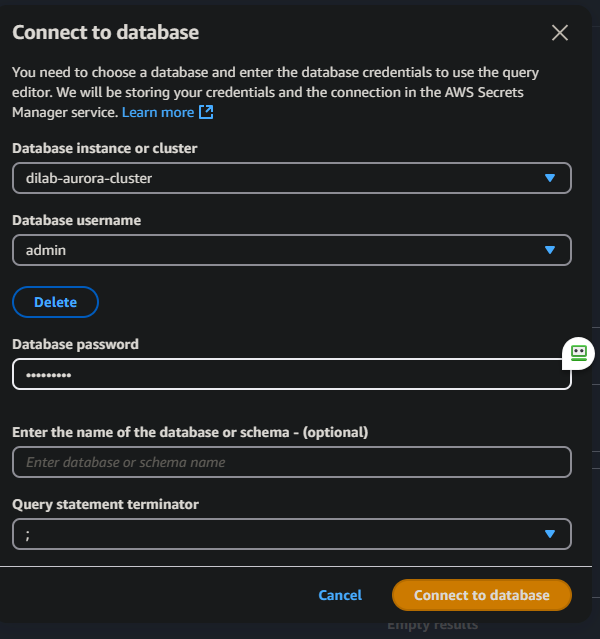


Connect to DB with user: oleg\_arslanov with all privileges, but only on schemas: dilab\_dev and oleg\_arslanov\_schema

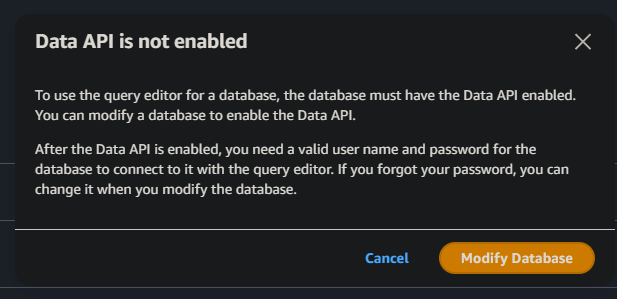


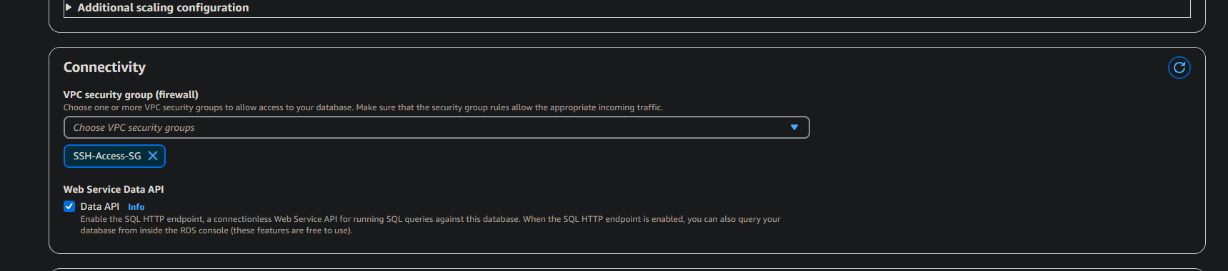
Created: simple table, view and procedure

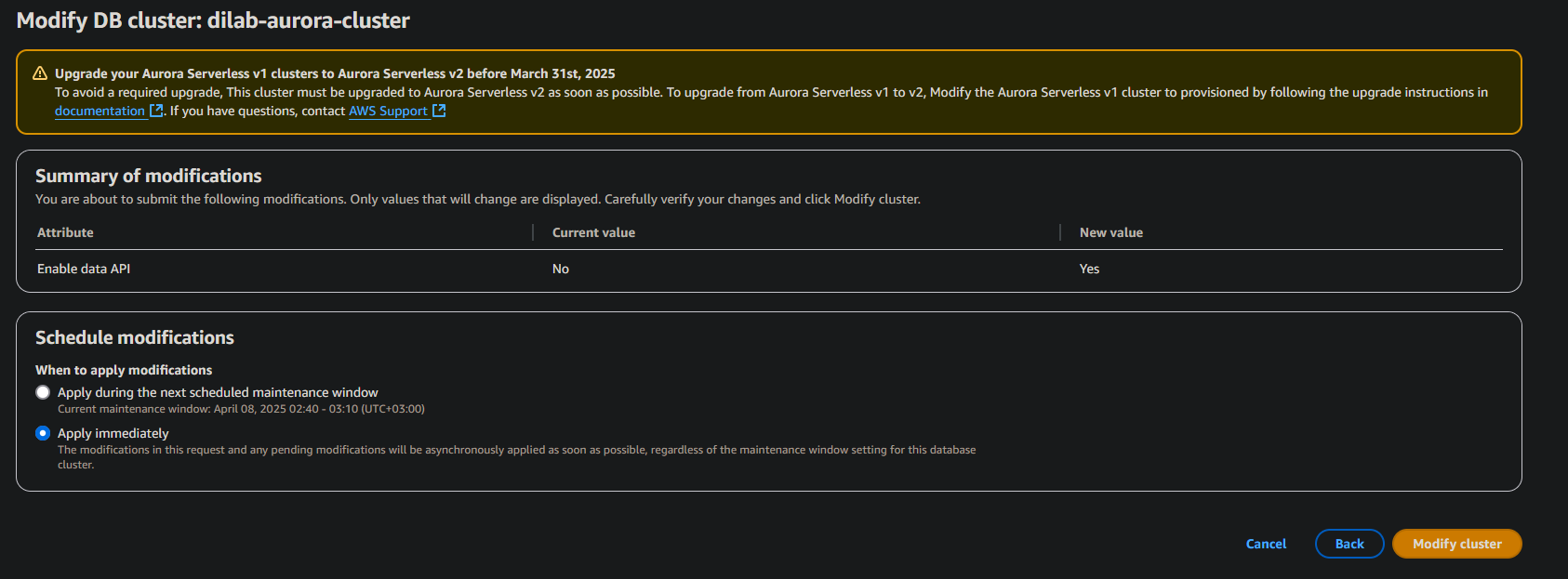
**Task 2**

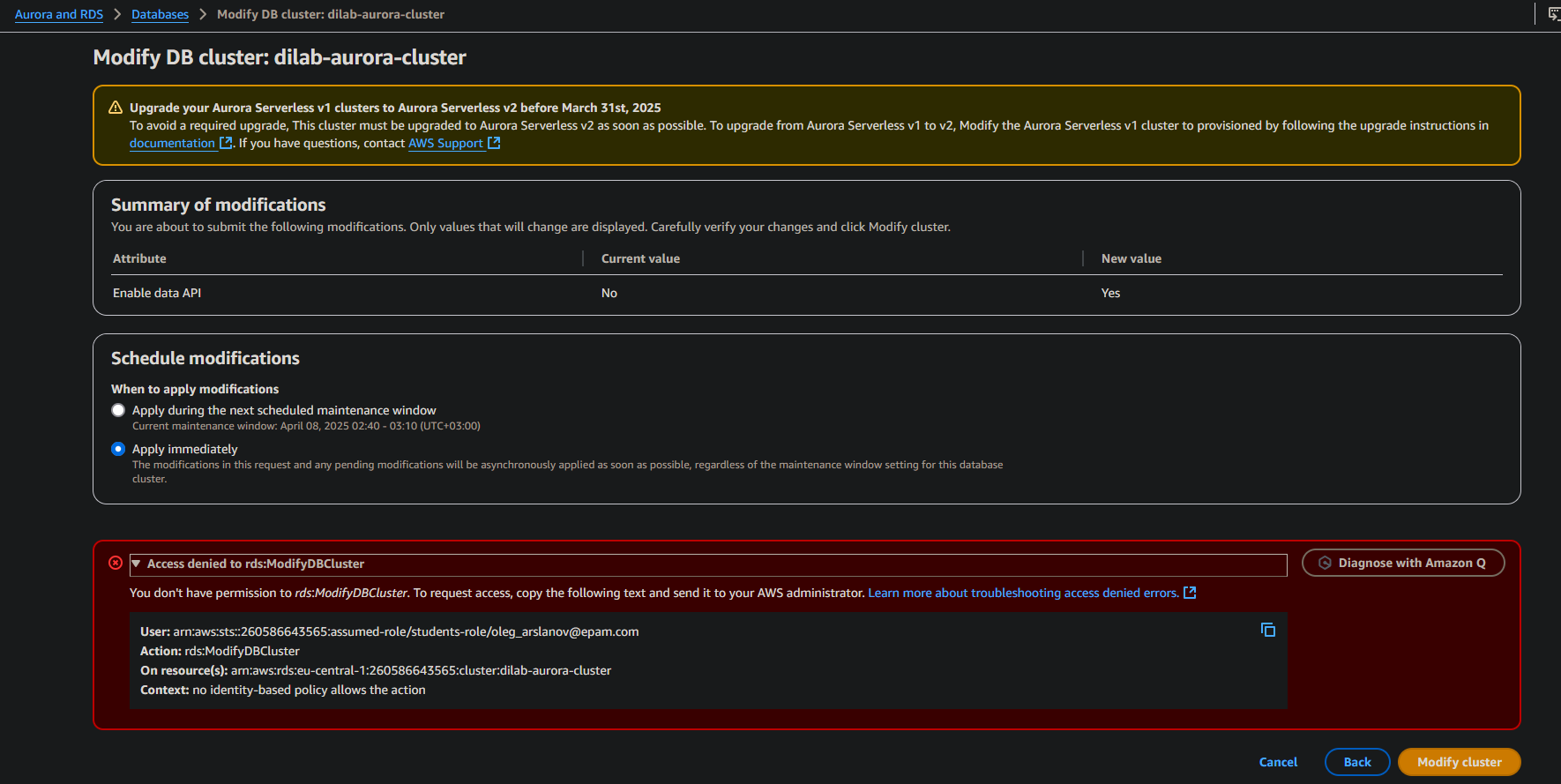
So I open in Aurora console Aurora and RDS and open Query editor. 

Data Api is needed





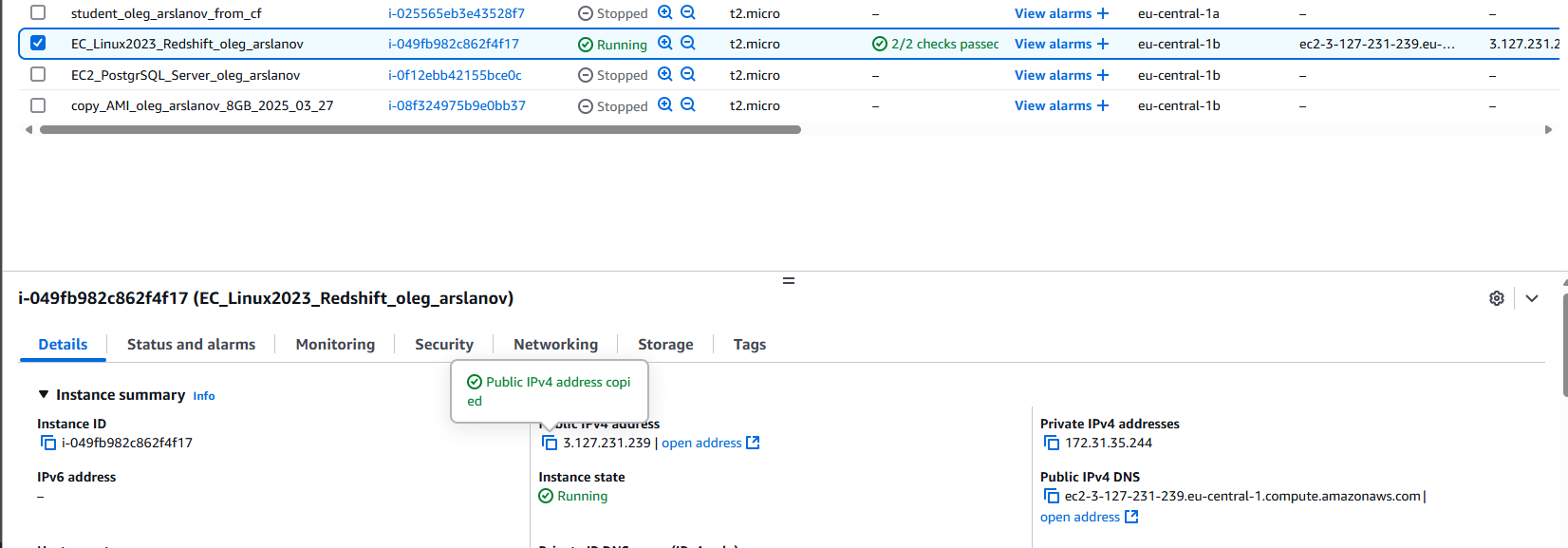




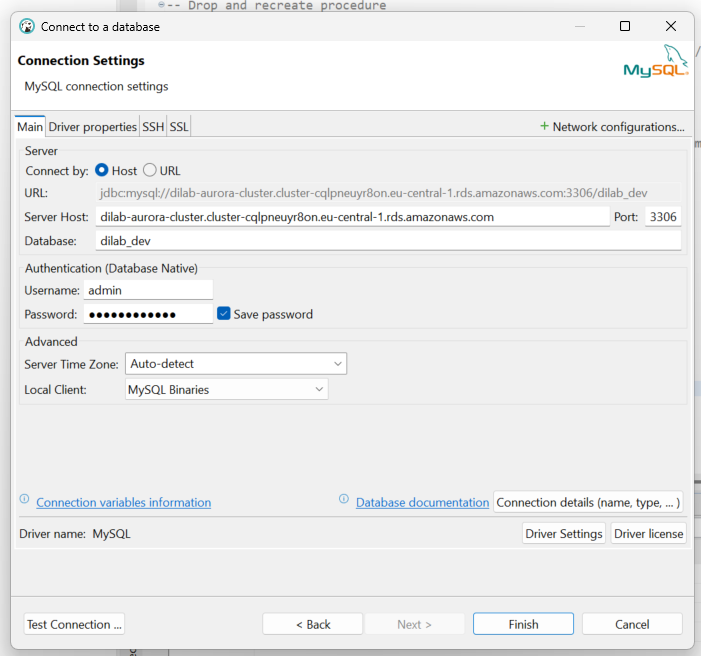
No I have not rights to do that … Mentor wrote that we can skip this task

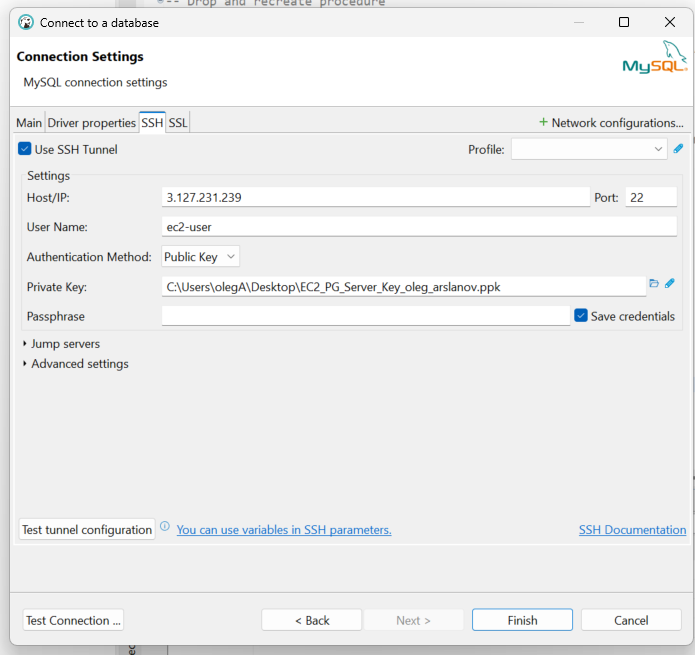
So I probe made optional task

First I found my IP

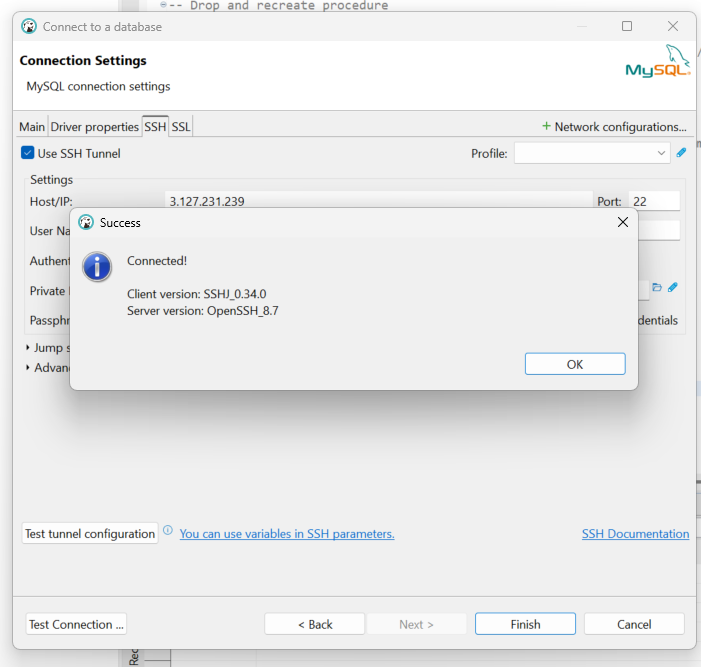


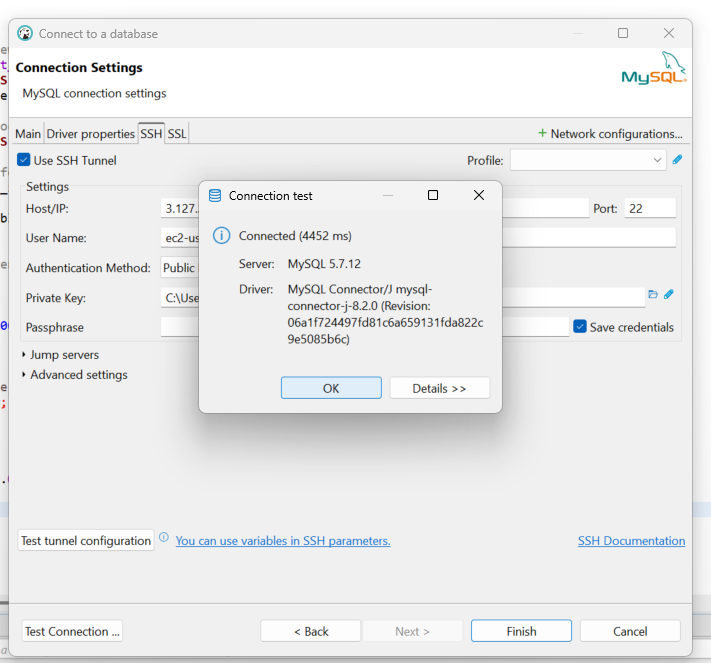
Then I made connection in DBeaver



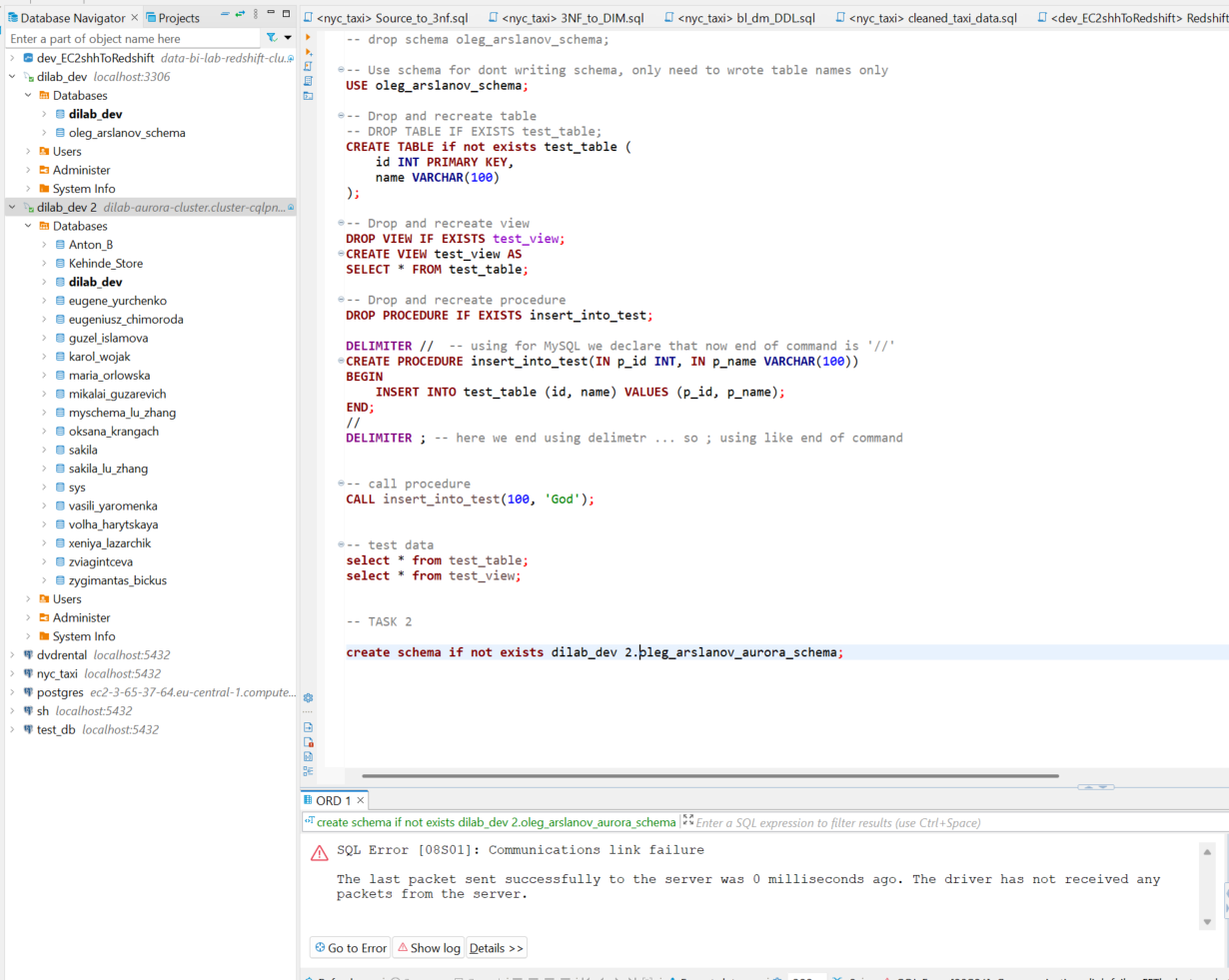


Test connection tunnel





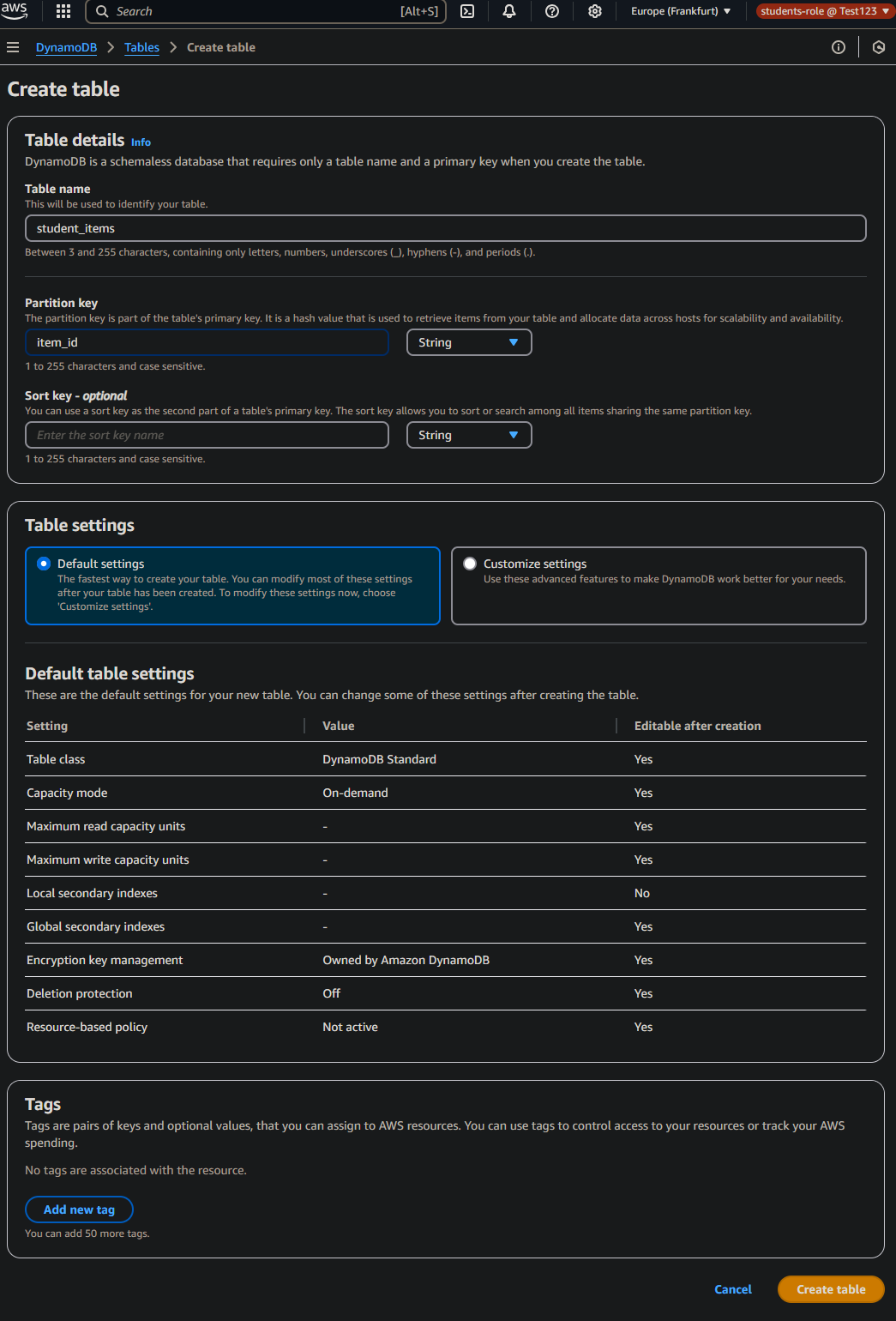
But something wrong : Communications link failure



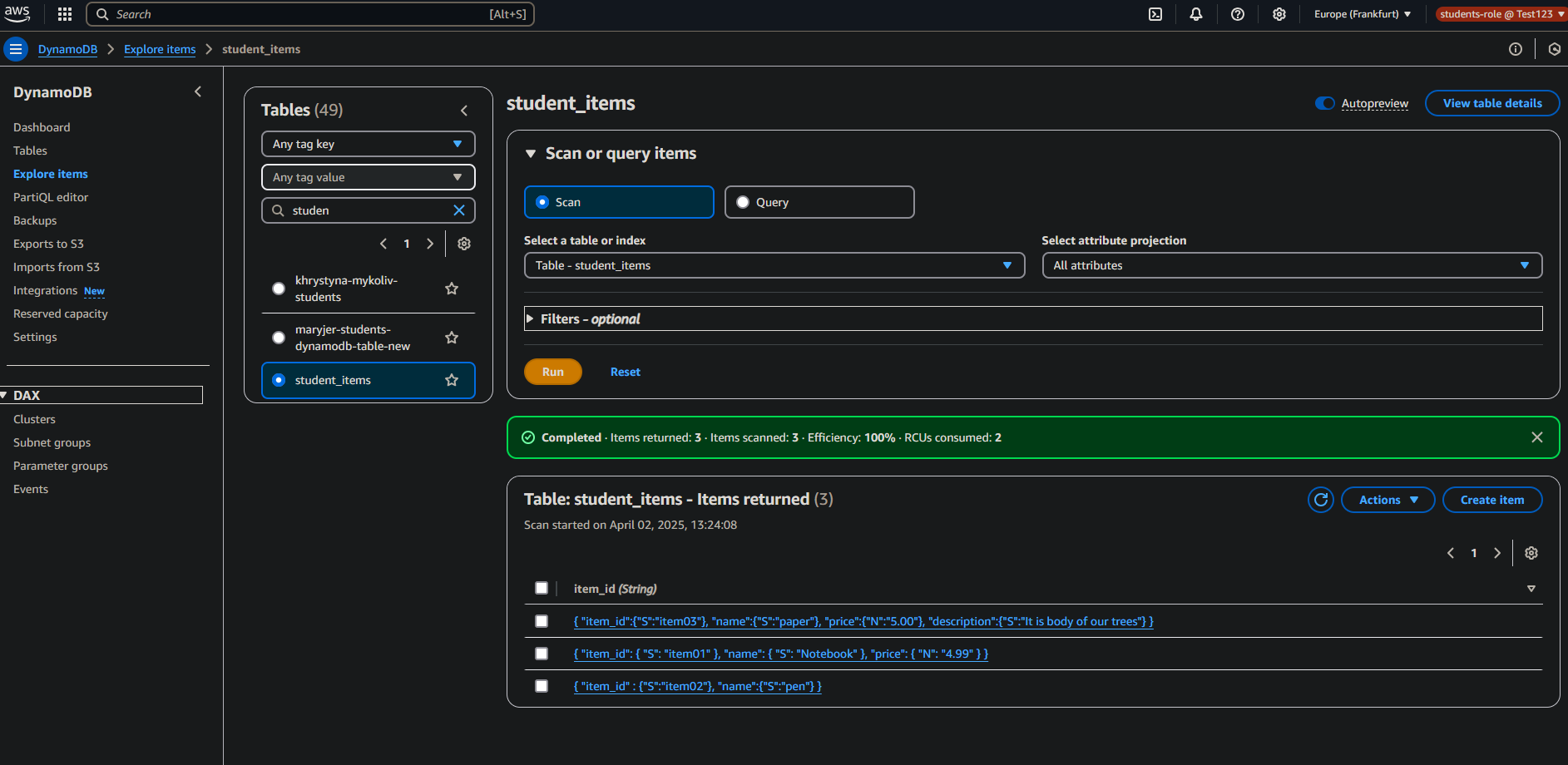
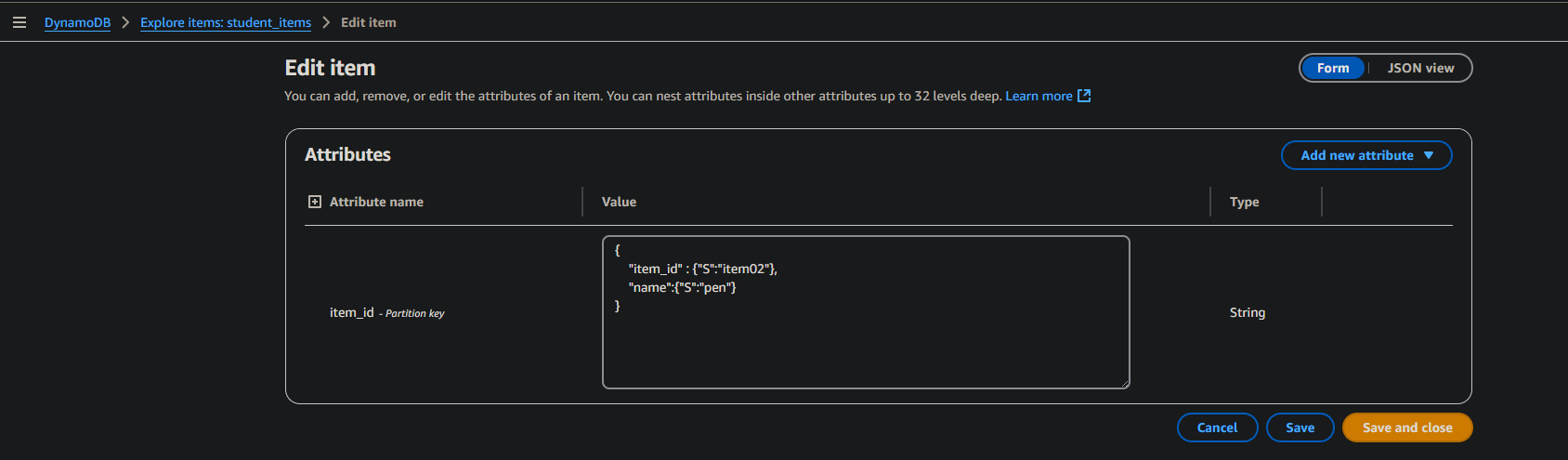
So I leave this task … when it will be ready we can continue 😊

**Task 3 DynamoDB**

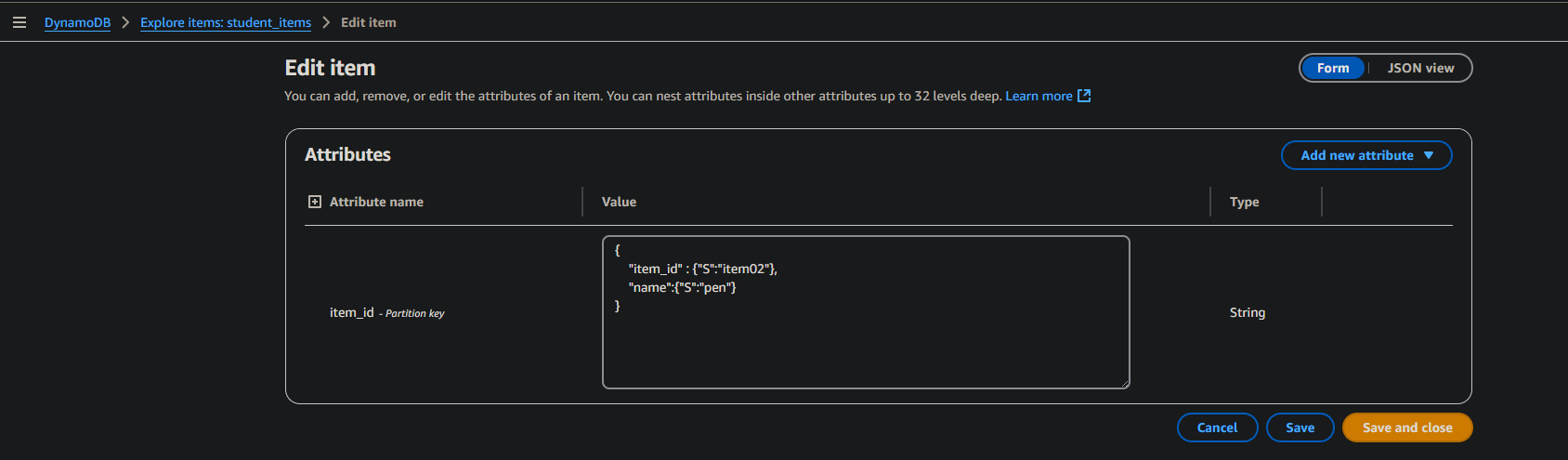
Added table AWS console -> DynamoDB. Hit Create table. Added Table name, Partition key and hit Create table



Then choose Explore items -> create item and insert rows 😊

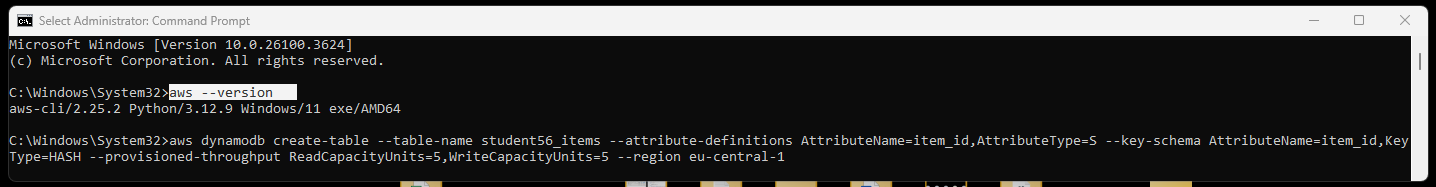


Added to table rows

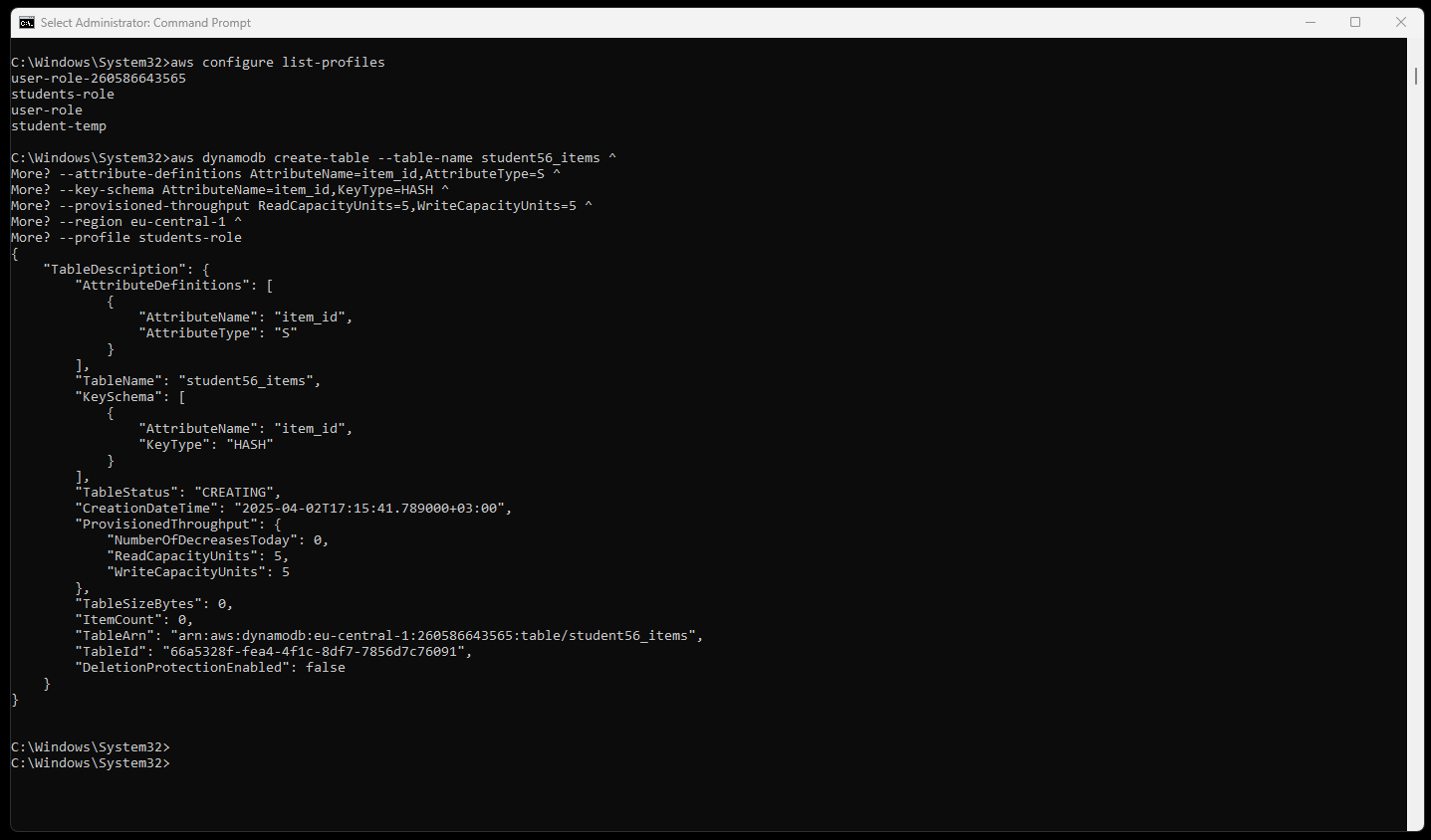


Here we use only CLI (not console)

I open CMD and check have we instaled AWS CLI …yes it installed

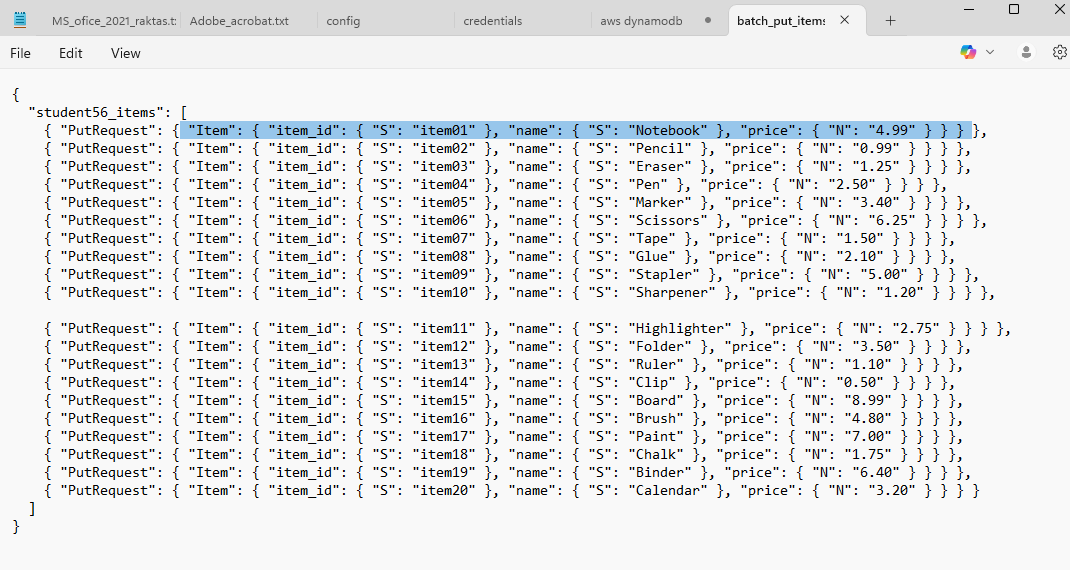


Then looking for list of profiles … and create table... AWS DynamoDB return all detailed info about created table

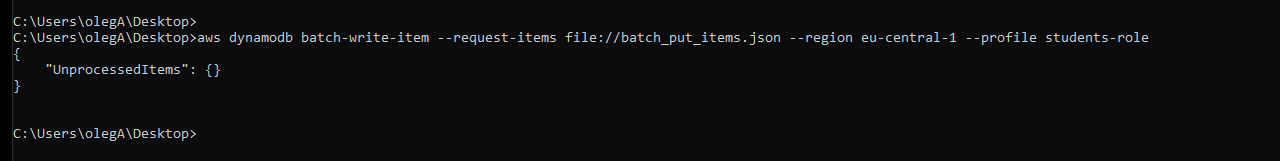


I choose item\_id as partition key because:

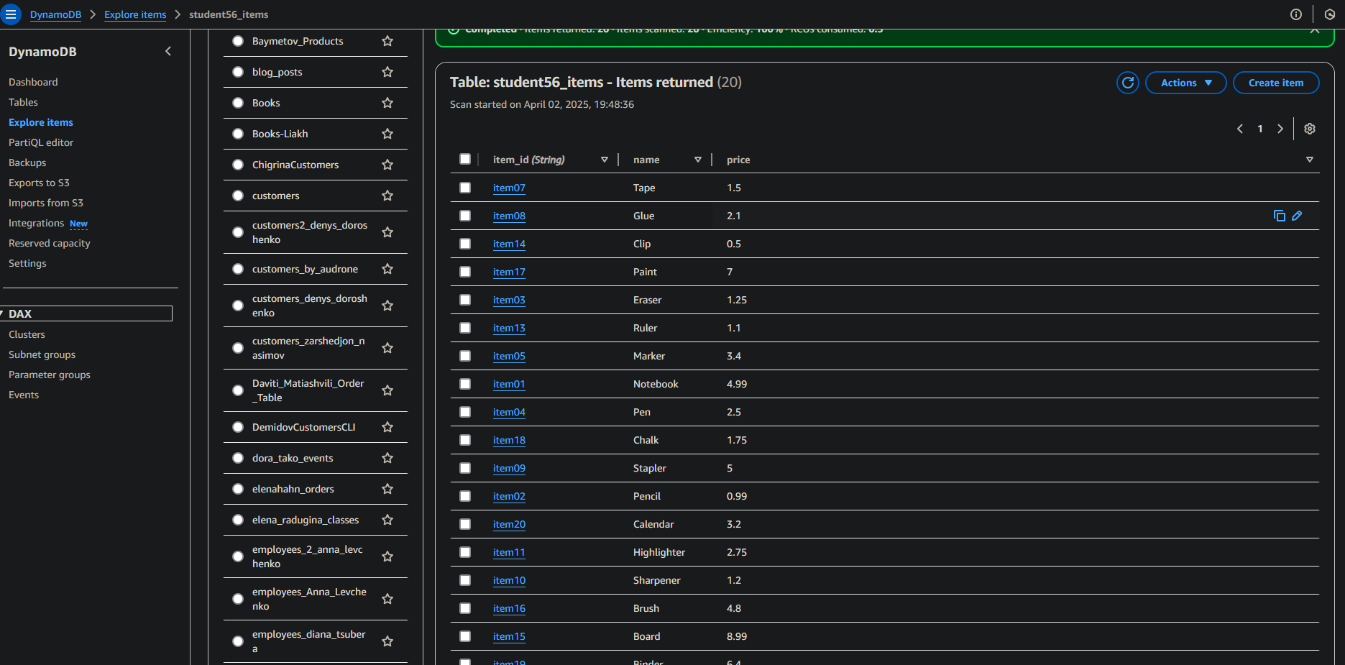
* it is unique indetifier
* enables fast CRUD operations by ID
* most queries will filter by item\_id, avoiding costly Scan operations

Now I created JSON format file to add 20 rows by one time to our table

Now we made command to create table from file



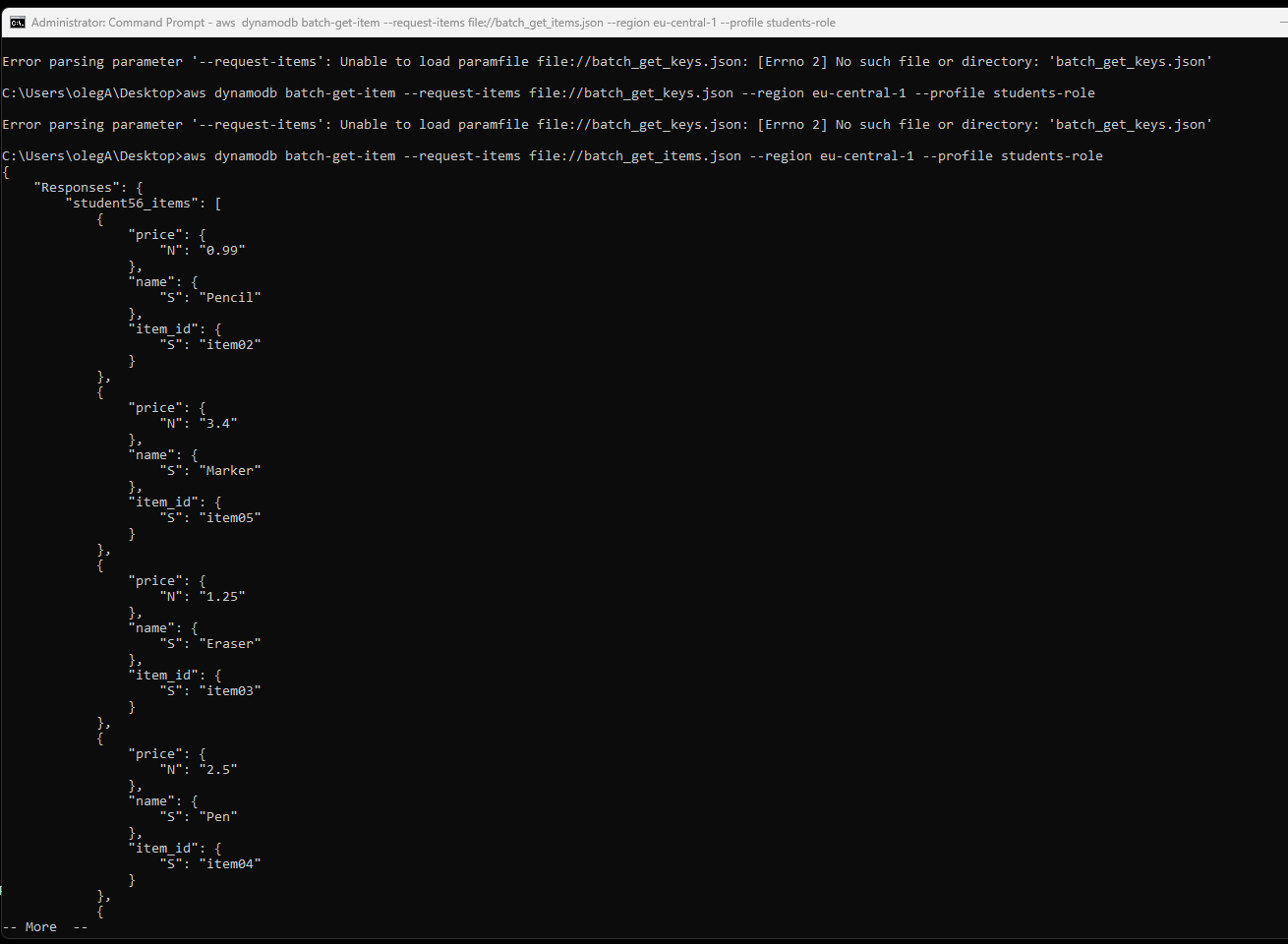
So we made 20 rows from one command



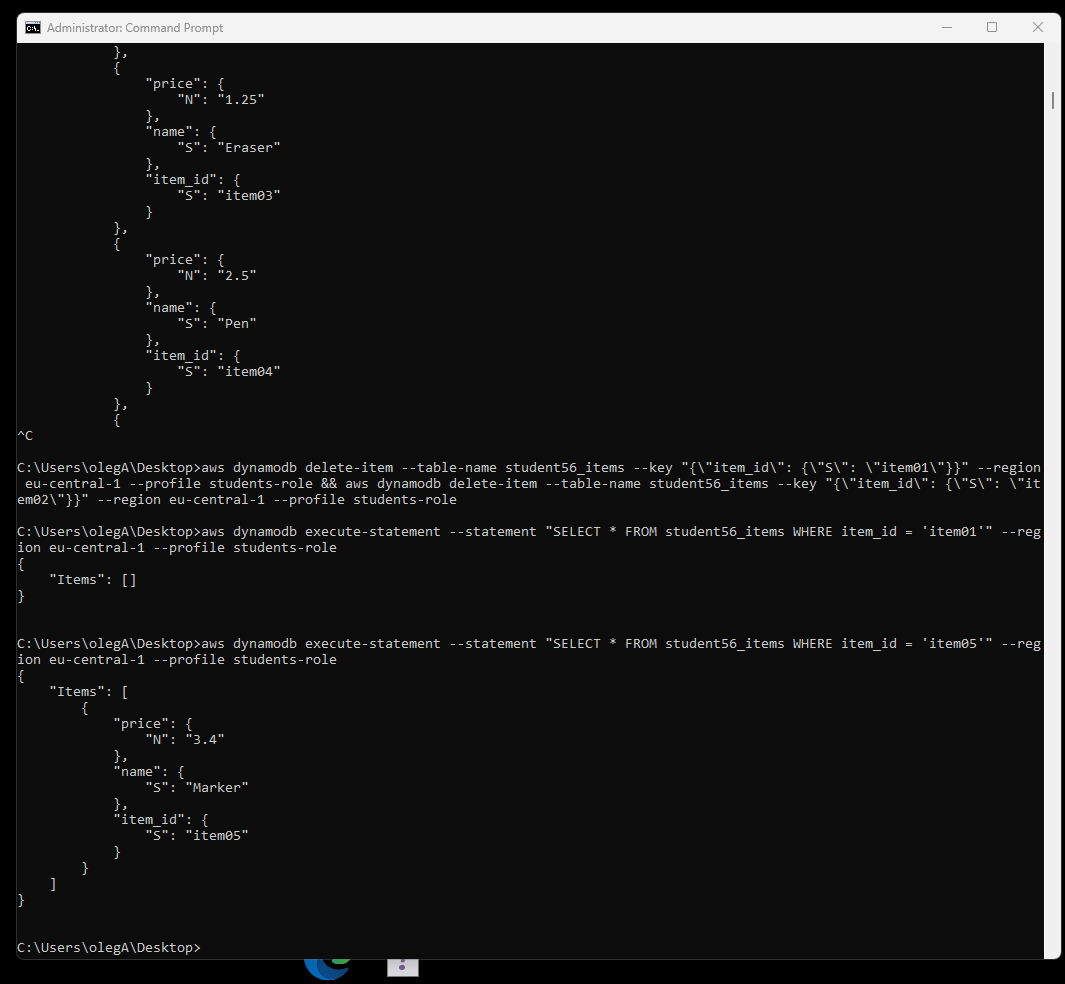
Next I made file with 5 retrieve rows



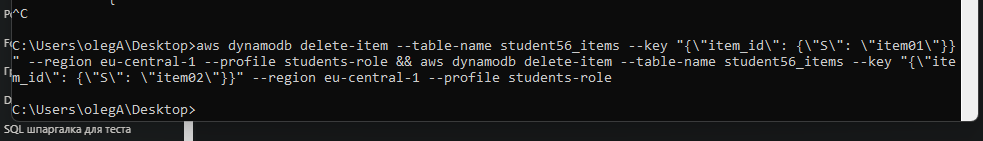
Next I use in CMD with AWS dynamodb command and retrieve 5 rows



Make several selects using PartiQL syntax



When I want to remove two rows from DynamoDB



Yes there is delete two rows

